

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**BASIC IMAGERY
INTERPRETATION
REPORT**

LENINGRAD SCIENTIFIC RESEARCH INSTITUTE NII 400

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ELEC/COMMO/RADAR R&D FACILITIES

USSR

JUNE 1970

Declass Review by NIMA/DOD

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Leningrad Scientific Research Institute NII 400

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UTM COORDINATES

GEOGRAPHIC COORDINATES

NA

59-57-40N 030-20-35E

MAP REFERENCE

SAC. US Air Target Chart, Series 200, Sheet 0153-4, scale 1:200,000

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ABSTRACT

1 Leningrad Scientific Research Institute NII 400 is reported to be the principal installation in the Soviet Union devoted to research and development of underwater ordnance. The institute consists of 39 buildings and four storage tanks. Most of the buildings are complex multistory structures used for administration, engineering, research and development, and testing.

2 This report provides a location map, a description and chronology, a line drawing, a photograph, and mensural and reference data on the installation.

INTRODUCTION

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3 Leningrad Scientific Research Institute NII 400 is situated on the east bank of the Bolshaya Nevka in the north-central part of the city (Figure 1). Fokina Street parallels the west side of the institute, and Karl Marx Avenue parallels the east side. The institute is separately secured from the adjacent Russkiydizel Diesel Plant 15 [] to the north and Karl Marx Hospital Complex [] to the southeast (Figure 2). Institute NII 400, the principal Soviet R&D installation for underwater ordnance, is subordinate to the 4th Chief Directorate, Ministry of Defense/Ministry of Shipbuilding, and is affiliated with or supported by other research institutions, production plants, and test ranges.¹

BASIC DESCRIPTION

4 The Leningrad Scientific Research Institute NII 400 is responsible for the prototype production of underwater naval ordnance and associated electronics. According to

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available collateral, production is carried out within the confines of the institute in a group of buildings designated as Plant 686. Prototype production of electrically powered torpedoes, steam/gas powered torpedoes, mines, and minesweeping devices is reported.¹ However, none of these functions is revealed on overhead photography.

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5 Institute NII 400 contains 39 buildings (Figure 3 and Table 1), including an engineering/test building (item 1) reported to contain a test tank 20 meters (66 feet) deep that extends the entire length of the building. The remaining 38 buildings include six administration/engineering buildings, five administration buildings, three engineering/laboratory buildings, five shop buildings, 16 utility buildings, and three heating plants. [redacted] total floorspace for the institute is approximately 127,590 square meters (1,370,000 square feet).

6 The institute is road served, and the street pattern of Leningrad affords easy access to rail, air, and water transportation facilities within the city and surrounding area. The institute is walled, and access to it is probably controlled by a security guard force.

Chronology

7 Scientific Research Institute NII 400 was probably in existence prior to World War II. Photography of limited interpretability was obtained [redacted] At that time, the institute had 24 buildings including a large engineering/test building (item 1), four administration/engineering buildings (items 8, 26, 32, and 37), five administration buildings (items 12, 27, 38, 41, and 42), and three engineering/laboratory buildings (items 7, 10, and 23). These buildings were supported by two heating plants (items 6 and 11), five shop buildings (items 2, 19, 21, 22, and 25), and four utility buildings (items 9, 28, 29, and 33).

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8 The next interpretable coverage of Institute NII 400 was obtained [redacted] A large multistory administration/engineering building (item 20) was the only new building identified.

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9 No changes were observed in the facilities at Institute NII 400 [redacted] due to the limited interpretability of photography [redacted] six utility buildings (items 13, 14, 15, 17, 18, and 31) were identified in the northeast portion of the institute.

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10 The first large-scale photographic coverage [redacted] of Institute NII 400 [redacted] At that time a large rectangular excavation and initial construction for a new multistory administration/engineering building (item 24) were identified. Four utility buildings (items 3, 4, 5, and 34) were also identified for the first time.

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11 No additional changes were observed in the facilities at the institute [redacted] At that time the initial construction for a heating plant (item 39), four storage tanks (items 35 and 40), and a utility building (item 36) was identified in the southeast corner of the institute.

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12 Construction activity at Institute NII 400 [redacted] has been limited to the completion of buildings started [redacted] The administration/engineering building (item 24) under construction [redacted] was complete [redacted] The utility building (item 36) and two storage tanks (item 35), first observed under construction in [redacted] were complete [redacted] the heating plant (item 39) and one of the storage tanks (item 40) were complete. The second of these two tanks was complete [redacted]

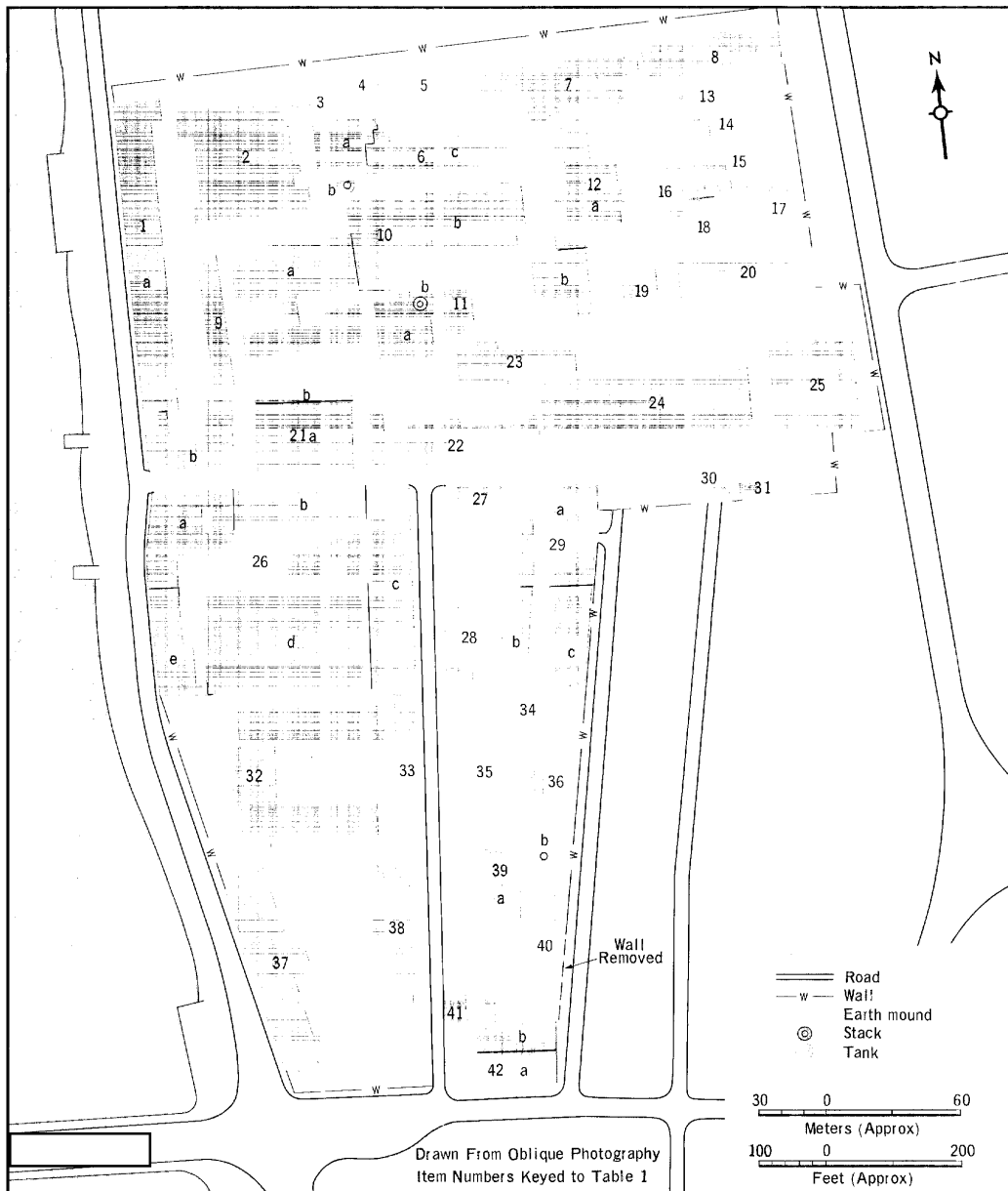
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FIGURE 3. LAYOUT OF LENINGRAD SCIENTIFIC RESEARCH INSTITUTE NII 400

Table 1. Details of Structures, Leningrad Scientific Research Institute NII 400 (Item numbers keyed to Figure 3)

ITEM	DESCRIPTION	REMARKS
1a	Engineering/test bldg	6 story
b	Administration section	5 story
2	Shop bldg	
3	Utility bldg	
4	Utility bldg	
5	Utility bldg	
6a	Heating plant	
b	Stack	Diameter at top is <input type="text"/>
c	Shop section	

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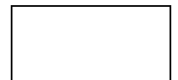
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ITEM	DESCRIPTION	REMARKS	ITEM	DESCRIPTION	REMARKS
7	Engineering/laboratory bldg	3-story	b	Laboratory/engineering section	2-story
8	Administration/engineering bldg	5-story	c	Laboratory/engineering section	2-story
9	Utility bldg	Prob warehouse	d	Shop section	
10a	Engineering/laboratory bldg	3-story	e	Laboratory/engineering section	3-story
b	Workshop section		27	Administration bldg	4-story
11a	Heating plant/foundry		28	Utility bldg	Prob warehouse with a 3-story admin section
b	Stack		29a	Utility bldg	Prob vehicle maint & stg bldg
12a	Administration bldg	3-story	b	Warehouse section	3-story admin section
b	Administration/engineering section	3-story	c	Administration section	5-story
13	Utility bldg		30	Utility bldg	
14	Utility bldg		31	Utility bldg	
15	Utility bldg		32	Administration/engineering bldg	3-story
16	Poss vent/slab	Situated atop small earth mound	33	Utility bldg	Poss reception center
17	Utility bldg		34	Utility bldg	
18	Utility bldg		35	Storage tanks (2)	Prob POL storage--
19	Shop bldg		36	Utility bldg	
20	Administration/engineering bldg	6-story	37	Administration/engineering bldg	Multistory bldg
21a	Shop bldg		38	Administration bldg	5-story bldg
b	Administration/engineering section	3-story	39a	Heating plant	
22	Shop bldg		b	Stack	
23	Engineering/laboratory bldg	4-story	40	Storage tanks (2)	Prob POL tanks in support of item 39
24	Administration/engineering bldg	3-story	41	Administration bldg	3-story
25	Shop bldg		42a	Administration bldg	5-story
26	Administration/engineering bldg		b	Utility section	
a	Administration section	4- & 5-story sections			



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REFERENCES

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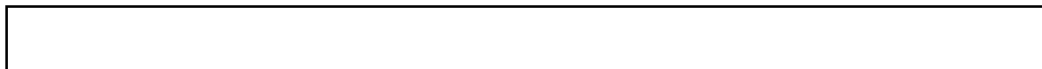


MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0153-4, scale 1:200,000

DIA. Urban Area Plan (U), Leningrad, USSR, Dec 68, scale 1:35,000

DOCUMENT



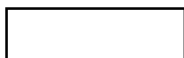
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REQUIREMENT

COMIREX U01

NPIC Project 220704

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is the most recent coverage of the institute.

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